

IN THE CLAIMS

For the convenience of the Examiner, all pending claims of the Application are reproduced below.

1. **(Currently Amended)** A method for logging voice quality issues, comprising:

receiving a signal from a user to initiate logging of quality information for a packet switched voice connection at an endpoint of the voice connection;

collecting, in response to the signal, voice samples from the voice connection at the endpoint; ~~and~~

storing the voice samples in an error log at the endpoint;

collecting system parameters indicative of quality of the voice connection at the endpoint;

storing the system parameters in the error log at the endpoint; and

associating system parameters corresponding in time to a voice sample with the voice sample in the error log.

2. **(Original)** The method of Claim 1, further comprising maintaining the error log at the endpoint.

3. **(Original)** The method of Claim 1, wherein the signal comprises a locally initiated signal.

4. **(Canceled)**

5. **(Currently Amended)** The method of ~~Claim 4~~ Claim 1, further comprising maintaining the error log at the endpoint.

6. **(Canceled)**

7. **(Currently Amended)** The method of ~~Claim 4~~ Claim 1, wherein the system parameters comprise a plurality of lost/late packet counts, convergent state of echo cancelers, number of packets stored in a jitter buffer and end-to-end latency of the voice connection at the endpoint.

8. **(Original)** The method of Claim 1, wherein the endpoint is a first endpoint, further comprising signaling a second endpoint to the voice connection to log quality information for the voice connection at the second endpoint, the quality information including voice samples from the voice connection at the second endpoint.

9. **(Original)** The method of Claim 8, further comprising identifying the second endpoint at the first endpoint.

10. **(Original)** The method of Claim 9, further comprising:
opening a control channel to the second endpoint; and
signaling the second endpoint to log quality information over the control channel.

11. **(Previously Presented)** The method of Claim 10, wherein the second endpoint comprises a gateway connected to a public switched telephone network (PSTN).

12. **(Currently Amended)** A system for logging voice quality issues, comprising:

means for receiving a signal from a user to initiate logging of quality information for a packet switched voice connection at an endpoint of the voice connection;

means for collecting, in response to the signal, voice samples from the voice connection at the endpoint; ~~and~~

means for storing the voice samples in an error log at the endpoint;

means for collecting system parameters indicative of quality of the voice connection at the endpoint;

means for storing the system parameters in the error log at the endpoint; and

means for associating system parameters corresponding in time to a voice sample with the voice sample in the error log.

13. **(Original)** The system of Claim 12, further comprising means for maintaining the error log at the endpoint.

14. **(Original)** The system of Claim 12, wherein the signal comprises a locally initiated signal.

15. **(Canceled)**

16. **(Currently Amended)** The system of ~~Claim 15~~ Claim 12, further comprising means for maintaining the error log at the endpoint.

17. **(Canceled)**

18. **(Currently Amended)** The system of ~~Claim 15~~ Claim 12, wherein the system parameters comprise a plurality of lost/late packet counts, convergent state of echo cancelers, number of packets stored in a jitter buffer and end-to-end latency of the voice connection at the endpoint.

19. **(Original)** The system of Claim 12, wherein the endpoint is a first endpoint, further comprising means for signaling a second endpoint to the voice connection to log quality information for the voice connection at the second endpoint, the quality information including voice samples from the voice connection at the second endpoint.

20. **(Original)** The system of Claim 19, further comprising means for identifying the second endpoint at the first endpoint.

21. **(Original)** The system of Claim 20, further comprising:
means for opening a control channel to the second endpoint; and
means for signaling the second endpoint to log quality information over the control channel.

22. **(Previously Presented)** The system of Claim 21, wherein the second endpoint comprises a gateway connected to a public switched telephone network (PSTN).

23. **(Currently Amended)** A system for logging voice quality issues, comprising:

logic encoded in media; and
the logic operable to receive a signal from a user to initiate logging of quality information for a voice connection at an endpoint of the voice connection, collect voice samples from the voice connection at the endpoint in response to the signal, ~~and~~ store the voice samples in an error log at the endpoint, collect system parameters indicative of quality of the voice connection at the endpoint, store the system parameters in the error log at the endpoint, and associate system parameters corresponding in time to a voice sample with the voice sample in the error log.

24. **(Original)** The system of Claim 23, the logic further operable to maintain the error log at the endpoint.

25. **(Original)** The system of Claim 23, wherein the signal comprises a locally initiated signal.

26. **(Canceled)**

27. **(Currently Amended)** The system of ~~Claim 26~~ Claim 23, the logic further operable to maintain the error log at the endpoint.

28. **(Canceled)**

29. **(Currently Amended)** The system of ~~Claim 26~~ Claim 23, wherein the system parameters comprise a plurality of lost/late packet counts, convergent state of echo cancelers, number of packets stored in a jitter buffer and end-to-end latency of the voice connection at the endpoint.

30. **(Original)** The system of Claim 23, wherein the endpoint is a first endpoint, the logic further operable to signal a second endpoint to the voice connection to log quality information for the voice connection at the second endpoint, the quality information including voice samples from the voice connection at the second endpoint.

31. **(Original)** The system of Claim 30, the logic further operable to identify the second endpoint at the first endpoint.

32. **(Original)** The system of Claim 31, the logic further operable to:
open a control channel to the second endpoint; and
signal the second endpoint to log quality information over the control channel.

33. **(Previously Presented)** The system of Claim 32, wherein the second endpoint comprises a gateway connected to a public switched telephone network (PSTN).

34. **(Previously Presented)** A method for logging voice quality issues, comprising:

receiving a signal initiated by a user at an endpoint indicating voice quality degradation of an ongoing voice connection;

collecting, in response to the signal, voice samples from the voice connection at the endpoint;

collecting system parameters indicative of quality of the voice connection at the endpoint, the system parameters corresponding in time to the voice samples;

synchronizing the system parameters with the voice samples; and

storing the voice samples and system parameters synchronously in an error log at the endpoint.

35. **(Original)** The method of Claim 34, wherein the endpoint comprises a first endpoint, further comprising:

identifying a second endpoint of the voice connection;

opening a control channel to the second endpoint; and

signaling the second endpoint over the control channel to log quality information for the voice connection at the second endpoint.

36. **(Original)** The method of Claim 34, wherein the system parameters comprise a plurality of loss/late packet counts, conversion state of echo cancelers, number of packets stored in a jitter buffer, and end-to-end latency of the voice connection at the endpoint.

37. **(Original)** The method of Claim 34, wherein the voice connection comprises a voice over Internet protocol (VoIP) connection.

38. **(Currently Amended)** A method for logging voice quality issues, comprising:

receiving a signal from a user to initiate logging of quality information for a packet switched voice connection;

collecting, in response to the signal, **first** voice samples from the voice connection at an endpoint of the voice connection;

collecting **second** voice samples from the voice connection at a network node; **and**

storing the **first** voice samples **from the voice connection at the endpoint** in **disparate a first error logs log;**

storing the second voice samples from the voice connection at the network node in a second error log;

collecting first system parameters indicative of quality of the voice connection at the endpoint;

collecting second system parameters indicative of quality of the voice connection at the network node;

storing the first system parameters of the voice connection at the endpoint in the first error log;

storing the second system parameters of the voice connection at the network node in the second error log;

associating the first system parameters corresponding in time to a first voice sample with the first voice sample in the first error log; and

associating the second system parameters corresponding in time to a second voice sample with the second voice sample in the second error log.

39. **(Original)** The method of Claim 38, further comprising maintaining an error log at the endpoint for locally collected samples.

40. **(Original)** The method of Claim 38, wherein the signal comprises a signal initiated at the endpoint.

41. **(Canceled)**

42. **(Canceled)**

43. **(Currently Amended)** The method of ~~Claim 41~~ Claim 38, wherein the system parameters comprise a plurality of lost/late packet counts, convergent state of echo cancelers, number of packets stored in a jitter buffer and end-to-end latency of the voice connection at the endpoint.

44. **(Original)** The method of Claim 38, wherein the endpoint is a first endpoint, further comprising signaling a second endpoint to the voice connection to log quality information for the voice connection at the second endpoint, the quality information including voice samples from the voice connection at the second endpoint.

45. **(Original)** The method of Claim 44, further comprising identifying the second endpoint at the first endpoint.

46. **(Original)** The method of Claim 45, further comprising:
opening a control channel to the second endpoint; and
signaling the second endpoint to log quality information over the control channel.

47. **(Previously Presented)** The method of Claim 46, wherein the second endpoint comprises a gateway connected to a public switched telephone network (PSTN).

48. (New) A method for logging voice quality issues, comprising:
receiving a signal from a user to initiate logging of quality information for a packet switched voice connection at an endpoint of the voice connection;
collecting, in response to the signal, voice samples from the voice connection at the endpoint, wherein the endpoint is a first endpoint;
storing the voice samples in an error log at the endpoint; and
signaling a second endpoint to the voice connection to log quality information for the voice connection at the second endpoint, the quality information including voice samples from the voice connection at the second endpoint.

49. (New) The method of Claim 48, further comprising identifying the second endpoint at the first endpoint.

50. (New) The method of Claim 49, further comprising:
opening a control channel to the second endpoint; and
signaling the second endpoint to log quality information over the control channel.

51. (New) The method of Claim 50, wherein the second endpoint comprises a gateway connected to a public switched telephone network (PSTN).

52. (New) A system for logging voice quality issues, comprising:
means for receiving a signal from a user to initiate logging of quality information for a packet switched voice connection at an endpoint of the voice connection;
means for collecting, in response to the signal, voice samples from the voice connection at the endpoint, wherein the endpoint is a first endpoint;
means for storing the voice samples in an error log at the endpoint; and
means for signaling a second endpoint to the voice connection to log quality information for the voice connection at the second endpoint, the quality information including voice samples from the voice connection at the second endpoint.

53. (New) The system of Claim 52, further comprising means for identifying the second endpoint at the first endpoint.

54. (New) The system of Claim 53, further comprising:
means for opening a control channel to the second endpoint; and
means for signaling the second endpoint to log quality information over the control channel.

55. (New) The system of Claim 54, wherein the second endpoint comprises a gateway connected to a public switched telephone network (PSTN).

56. **(New)** A method for logging voice quality issues, comprising:
receiving a signal from a user to initiate logging of quality information for a packet switched voice connection;
collecting, in response to the signal, voice samples from the voice connection at an endpoint of the voice connection, wherein the endpoint is a first endpoint;
collecting voice samples from the voice connection at a network node;
storing the voice samples from the voice connection at the endpoint in a first error log;
storing the voice samples from the voice connection at the network node in a second error log; and
signaling a second endpoint to the voice connection to log quality information for the voice connection at the second endpoint, the quality information including voice samples from the voice connection at the second endpoint.

57. **(New)** The method of Claim 56, further comprising identifying the second endpoint at the first endpoint.

58. **(New)** The method of Claim 57, further comprising:
opening a control channel to the second endpoint; and
signaling the second endpoint to log quality information over the control channel.

59. **(New)** The method of Claim 58, wherein the second endpoint comprises a gateway connected to a public switched telephone network (PSTN).